

Sub  
12  
cont.

unit carrying a stainless mesh filter on an inlet of said ink, said recording head unit including a positioning part for positioning said recording head unit on a carriage, and electrode contacts, said method comprising the steps of:

H2  
cont.

detachably mounting said ink reservoir upon said recording head unit such that the ink in said ink reservoir is supplied to said recording head unit;

mounting said recording head unit and ink reservoir on said carriage such that said positioning part of said recording head unit engages a positioning part of said carriage for positioning said recording head unit with respect to said carriage such that electrical contact is made between said electrode contacts on said recording head unit and electrode contacts on said carriage; and

removing said seal member such that an interior space of said ink reservoir communicates directly with an exterior of said ink reservoir via said vent.

#### REMARKS

Claims 1 and 12 have been amended. Claims 1, 3-5, 9 and 12 are pending, with claims 1 and 12 being in independent form.

Independent claim 1 has been amended to recite that the ink reservoir accommodates therein a sponge material infiltrated with ink. With this feature, the ink cartridge of the present disclosure allows safe disconnection of the ink reservoir unit from the recording head unit and also allows safe connection of a new ink reservoir unit to the recording head. Without such a feature, there would be spilling of remaining ink when the user applies shock to the ink

cartridge when disconnecting the tank for replacement and also spilling of ink when placing the new ink reservoir unit in place.

Applicant's undersigned attorney would like to arrange a personal interview with the Examiner in charge of this case. Should the Examiner pick this case up for action prior to an interview having been conducted, the Examiner is respectfully requested to contact applicant's undersigned attorney to arrange such an interview.

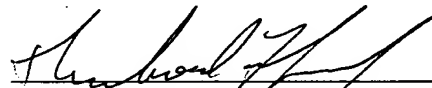
The Office is hereby authorized to charge any additional fees which may be required in connection with this amendment and to credit any overpayment to our Deposit Account No. 03-3125.

If petition for an extension of time is required to make this response timely, this paper should be considered to be such a petition, and the Commissioner is authorized to charge the requisite fees to our Deposit Account No. 03-3125.

If a telephone interview could advance the prosecution of this application, the Examiner is respectfully requested to call the undersigned attorney.

Entry of this amendment and allowance of this application are respectfully requested.

Respectfully submitted,



RICHARD F. JAWORSKI

Reg. No.33,515

Attorney for Applicant

Cooper & Dunham LLP

Tel.: (212) 278-0400

x0438

COPY SHOWING CHANGES BEING MADE TO THE CLAIMS

Please amend claims 1 and 12 as follows:

1. (Amended) A recording head of an inkjet recording apparatus for recording an image on an object, comprising:

a recording head unit supplied with ink for recording an image on a recording object by

forming a jet of the ink, said recording head unit comprising:

a nozzle for ejecting said jet;

a passage of ink provided in communication with said ink nozzle for supplying said ink to said nozzle;

an energization part provided on said passage for applying energy to said ink in said passage to form said jet; and

an ink inlet formed in communication with said passage for receiving said ink, said inlet including therein filter means which is made from stainless steel mesh for eliminating particles from said ink supplied to said inlet; and

an ink reservoir unit for holding therein said ink, said ink reservoir supplying said ink held therein to said inlet of said recording head part, said ink reservoir accommodating therein a sponge material infiltrated with said ink;

said recording head unit carrying thereon first connection means as a part of said recording head unit, for connecting said recording head unit to said ink reservoir unit;

said ink reservoir unit carrying thereon second connection means corresponding to said first connection means as a part of said ink reservoir unit, for connecting said ink reservoir unit to said recording head unit;

said first and second connection means being so formed that said first and second connection means establish, when said ink reservoir unit is mounted upon said recording head unit, a detachable engagement with

each other in a manner, such that said ink in said reservoir unit flows to said passage in said recording head unit; and  
a carriage member constructed so as to be mounted upon an image recording apparatus for carrying thereon said recording head unit and said reservoir unit together detachably in the state that said recording head unit and said reservoir unit are connected with each other detachably such that said reservoir unit connected to said recording head unit is removable therefrom, said carriage member having a positioning part for determining a position of said nozzle of said recording head unit with respect to said carriage member, and wherein said ink reservoir carrying a vent;  
said recording head unit having a positioning part for engagement with said positioning part of said carriage member,  
said recording head unit carrying thereon electrode contacts.

12. (Amended) A method for recording an image on an object by means of an inkjet recording apparatus, said inkjet recording apparatus including a recording head unit carrying thereon an ink nozzle for forming an inkjet and an ink reservoir for storing ink with a sponge material, said ink reservoir being so constructed as to be mounted upon said recording head unit detachably therefrom and carrying a vent closed by a seal member, said recording head unit carrying a stainless mesh filter on an inlet of said ink, said recording head unit including a positioning part for positioning said recording head unit on a carriage, and electrode contacts, said method comprising the steps of:

detachably mounting said ink reservoir upon said recording head unit such that the ink in said ink reservoir is supplied to said recording head unit;

mounting said recording head unit and ink reservoir on said carriage such that said positioning part of said recording head unit engages a positioning part of said carriage for positioning said recording head unit with respect to said carriage such that electrical contact is made between said electrode contacts on said recording head unit and electrode contacts on

said carriage; and

removing said seal member such that an interior space of said ink reservoir communicates directly with an exterior of said ink reservoir via said vent.